Maintenance Procedures & Parts Lists

TR Gas Braising Pan

For units built after August 2011

SGL-30-TR
SGM-30-TR
SGL-40-TR
SGM-40-TR

For your future reference.

Model # ______________________________

Serial # ______________________________



Model # & Serial #.
(Open front panel to view rating label.)

1333 East 179th St., Cleveland, Ohio, U.S.A. 44110
Ph: 216.481.4900 Fx: 216.481.3782
www.clevelandrange.com

Read the manual thoroughly.
Improper installation, operation or maintenance can cause property damage, injury or death.

This manual is to be used in conjunction with the "Operators Manual". See "Operators Manual" for safety warnings, correct operation, installation and preventative maintenance.

SE95033 Rev. 8A
June 2012

STATEMENT OF RESPONSIBILITIES / DÉCLARATION DES RESPONSABILITÉS / DECLARACIÓN DE RESPONSABILIDADES

This document is for use by experienced and trained Qualified Cleveland Range, LLC Authorized Service Representatives who are familiar with both the safety procedures, and equipment they service. Cleveland Range, LLC assumes no liability for any death, injury, equipment damage, or property damage resulting from use of, improper use of, or failure to use the information contained in this document. Cleveland Range, LLC has made every effort to provide accurate information in this document, but cannot guarantee that this document does not contain unintentional errors and omissions.

The information in this document may be subject to technical and technological changes, revisions, or updates. Cleveland Range, LLC assumes no liability or responsibility regarding errata, changes, revisions, or updates.

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, OSHA regulations, and disconnect / lock out / tag out procedures for all utilities including steam, and disconnect / lock out / tag out procedures for gas, electric, and steam powered equipment and / or appliances.

All utilities (gas, electric, water and steam) should be turned OFF to the equipment and locked out of operation according to OSHA approved practices during any servicing of Cleveland Range equipment

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to maintain up-to-date knowledge, skills, materials and equipment.

Ce document est destiné à l'usage des Représentants de Service qualifiés et autorisés de Cleveland Range, LLC qui possèdent l'expérience et la formation ainsi que la bonne connaissance des mesures de sécurité et du matériel qu'ils entretiennent.

Cleveland Range, LLC décline toute responsabilité pour tout cas de décès, blessure, dommage matériel ou dommage aux biens résultant de l'utilisation, de la mauvaise utilisation ou du manquement d'utilisation des renseignements contenus dans ce document.

Cleveland Range, LLC s'est efforcé à fournir des renseignements précis dans ce document mais ne peut garantir que ce document soit exempt d'erreurs et d'omissions non intentionnelles.

Les renseignements contenus dans ce document peuvent être assujettis à des changements techniques et technologiques, des révisions ou des mises à jour.

Cleveland Range, LLC décline toute obligation ou responsabilité concernant les errata, modifications, révisions ou mises à jour.

Les Représentants de Service qualifiés et autorisés de Cleveland Range, LLC sont tenus de se conformer aux mesures de sécurité normalisées de l'industrie, y compris, mais sans s'y limiter, les réglementations de l'OSHA, les procédures de débranchement / verrouillage / étiquetage relatives à tous les services publics, dont l'approvisionnement en vapeur, et les procédures de débranchement / verrouillage / étiquetage relatives aux équipements et/ou appareils fonctionnant au gaz, à l'électricité et à la vapeur.

Au cours de tout entretien d'un appareil Cleveland Range, tous les services publics (gaz, électricité, eau et vapeur) doivent être FERMÉS au niveau de l'appareil et le dispositif de fonctionnement doit être verrouillé suivant les pratiques approuvées de l'OSHA.

Les Représentants de Service qualifiés et autorisés de Cleveland Range, LLC sont tenus d'actualiser en permanence leurs connaissances, compétences, matériel et équipement.

Este documento está destinado para el uso de los Representantes de Servicio calificados y autorizados de Cleveland Range, LLC quienes cuentan con la experiencia y la capacitación así como el buen conocimiento de las medidas de seguridad y de los equipos que mantienen.

Cleveland Range, LLC, declina toda responsabilidad en caso de cualquier fallecimiento, lesiones, daños al equipo o daños a la propiedad resultantes de la utilización, del uso indebido o de la falta de utilización de la información provista en este documento.

Cleveland Range, LLC se ha esforzado en suministrar información precisa en este documento, pero no puede garantizar que este documento esté exento de errores y de omisiones no intencionales.

La información contenida en este documento podría estar sujeta a cambios técnicos o tecnológicos, revisiones o actualizaciones. Cleveland Range, LLC declina toda obligación o responsabilidad con respecto a erratas, modificaciones, revisiones o actualizaciones.

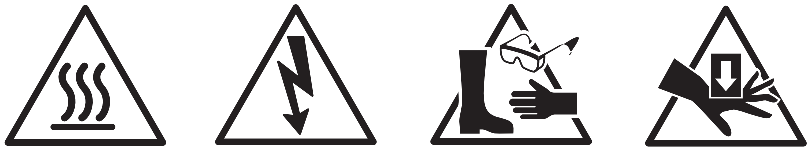
Los Representantes de Servicio calificados y autorizados de Cleveland Range, LLC tienen la obligación de seguir los procedimientos estándar de seguridad de la industria; los cuales incluyen pero no se limitan a los reglamentos de la OSHA (La Administración de la Seguridad y Salud Ocupacionales), los procedimientos de desconexión, cierre y etiquetado relativos a todos los servicios públicos incluyendo el suministro de vapor y los procedimientos de desconexión, cierre y etiquetado para los equipos y/o aparatos que funcionan a base de gas, electricidad o vapor.

Cuando se esté dando servicio o mantenimiento a un aparato de Cleveland Range, todos los servicios públicos (gas, electricidad, agua y vapor) deben estar APAGADOS para el equipo en cuestión y se debe seguir el procedimiento de cierre de operaciones de acuerdo con las prácticas aprobadas por la OSHA.

Los Representantes de Servicio calificados y autorizados de Cleveland Range, LLC tienen la obligación de actualizar constantemente sus conocimientos, destrezas, materiales y equipamiento.

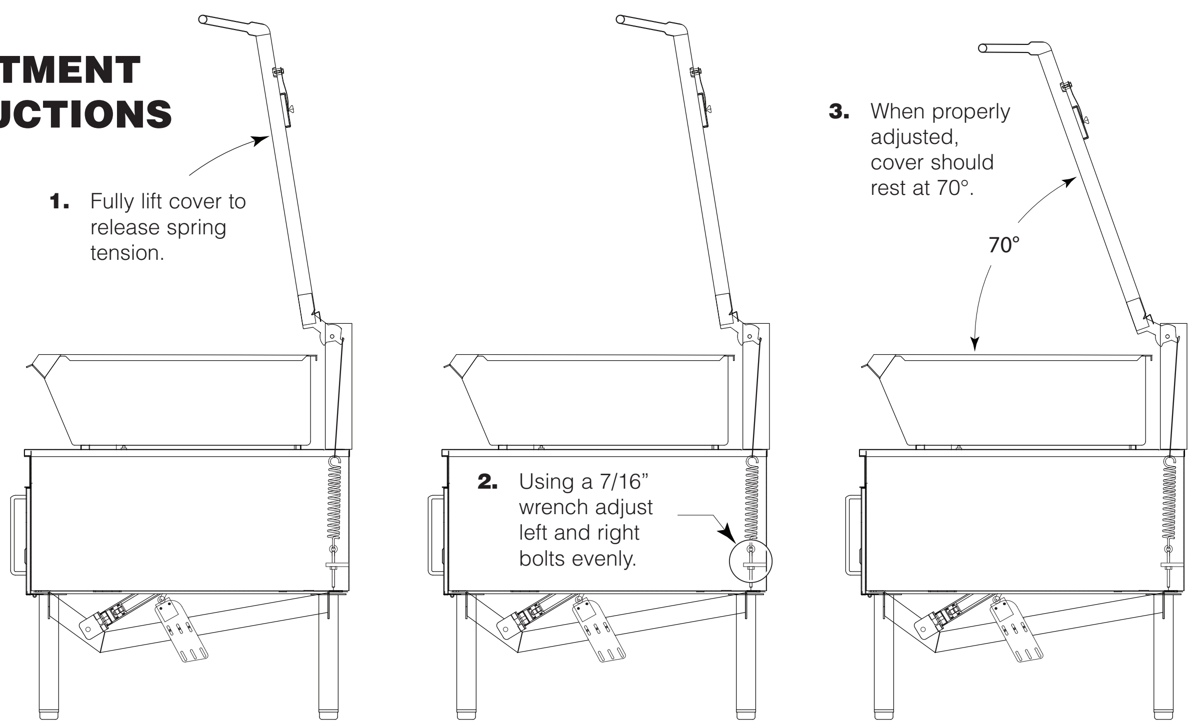
TROUBLESHOOTING AND MAINTENANCE PROCEDURES

The following trouble shooting guide and maintenance procedures are meant to be used by Qualified Service Technician



For periodic maintenance recommendations see "Operators Manual".

HINGE ADJUSTMENT INSTRUCTIONS



CALIBRATION INSTRUCTIONS

IMPORTANT: DO NOT ATTEMPT TO CALIBRATE THE THERMOSTAT

The electronic thermostat supplied with this skillet has been precisely calibrated at the factory and should not require field calibration.

SPARE PARTS LIST

ITEM ON.	*DESCRIPTION*	*QTY.*
KE55069-7	SAFETY THERMOSTAT	1
SK50905-2	LIGHT	1
KE52936-13	FUSE, 1 AMP, 250V	1
SK2498399	SHAFT ASSEMBLY, POTENTIOMETER	1
SK2474100	SWITCH, OP/OFF, 120V	1
KE603902-7	CONTACTOR	2
SK53838-30	TRANSFORMER	1
SK2343502	SWITCH, POWER TILT	1
KE52936-9	FUSE, 15 AMP, 250 V	1
SK2345100	THERMOSTAT SENSOR	1
SK2142002	TEMPERATURE SENSOR BOARD	1

TILT MECHANISM LUBRICATION

The hydraulic cylinder and the bronze bushings are all sell-lubrcatiog and require no lubrcation.

FREE AIR CALCULATION

Insert drager pump tube 4" down the center of the flue and take one sample each of Carbon Dioxide (CO_2) and Carbon Monoxide (CO) and record results.

________ % CO (PPM)   ________ % CO2

With results obtained for CO_2 use chart to determine dilution factor for gas type used.

______________ Dilution Factor

Enter these numbers in the following formula to determine the concentration of carbon monoxide in an air free sample of flue gas.

$$\text{Dilution Factor} \times \frac{\text{CO (PPM)}}{10{,}000} = \underline{\hspace{3cm}}\ \text{\% Carbon Monoxide}$$

Result must not exceed 0.08% carbon monoxide.

CARBON DIOXIDE IN SAMPLE (PERCENT)	FACTOR PROPANE GAS	FACTOR NATURAL GAS
4.0	3.50	3.05
4.2	3.33	2.90
4.4	3.18	2.77
4.6	3.04	2.65
4.8	2.92	2.54
5.0	2.80	2.44
5.2	2.69	2.34
5.4	2.59	2.26
5.6	2.50	2.18
5.8	2.41	2.10
6.0	2.33	2.03
6.2	2.26	1.97
6.4	2.19	1.91
6.6	2.12	1.85
6.8	2.06	1.80
7.0	2.00	1.74
7.2	1.94	1.70
7.4	1.89	1.65
7.6	1.84	1.61
7.8	1.79	1.56
8.0	1.75	1.53
8.2	1.71	1.49
8.4	1.67	1.45
8.6	1.63	1.42
8.8	1.59	1.39
9.0	1.56	1.36
9.2	1.52	1.33
9.4	1.49	1.30
9.6	1.46	1.27
9.8	1.43	1.24
10.0	1.40	1.22

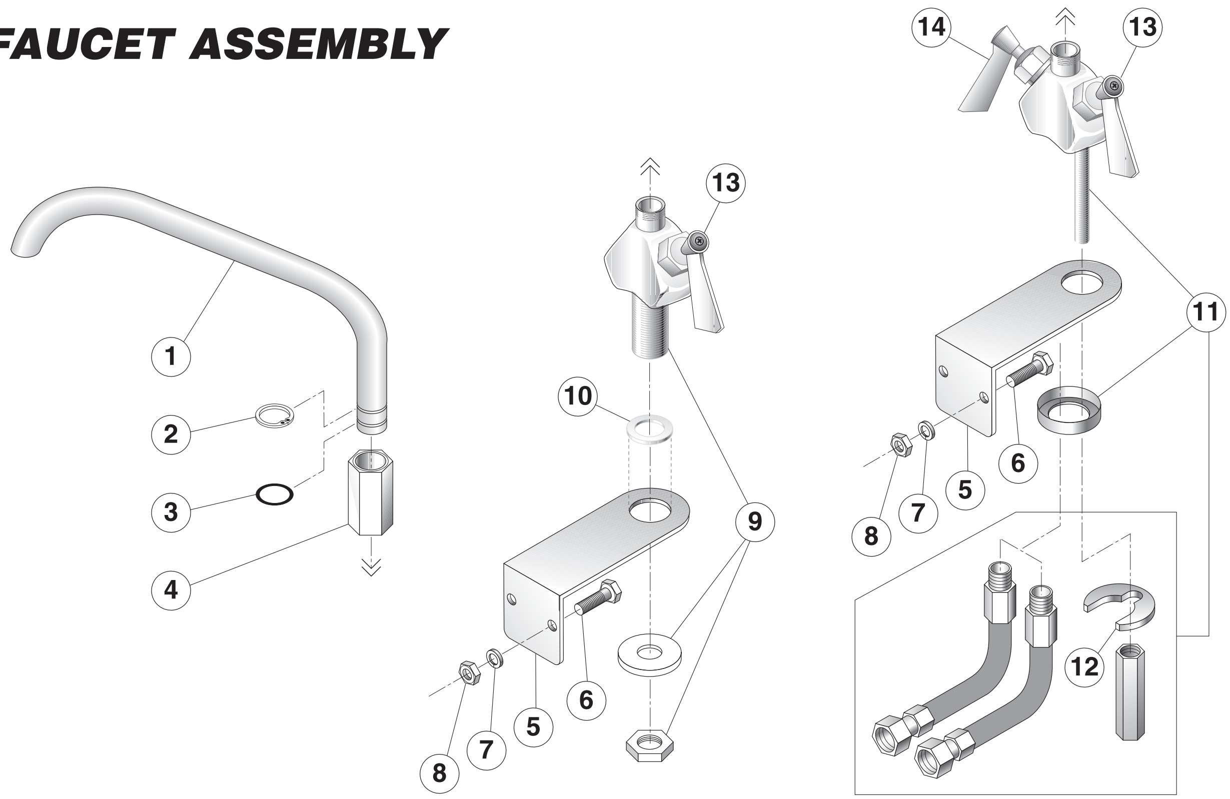
SERVICE PARTS

WARRANTY

Our Company supports a worldwide network of Maintenance and Repair Centers. Contact your nearest Maintenance and Repair Centre for replacement parts, service, or information regarding the proper maintenance and repair of your cooking equipment.

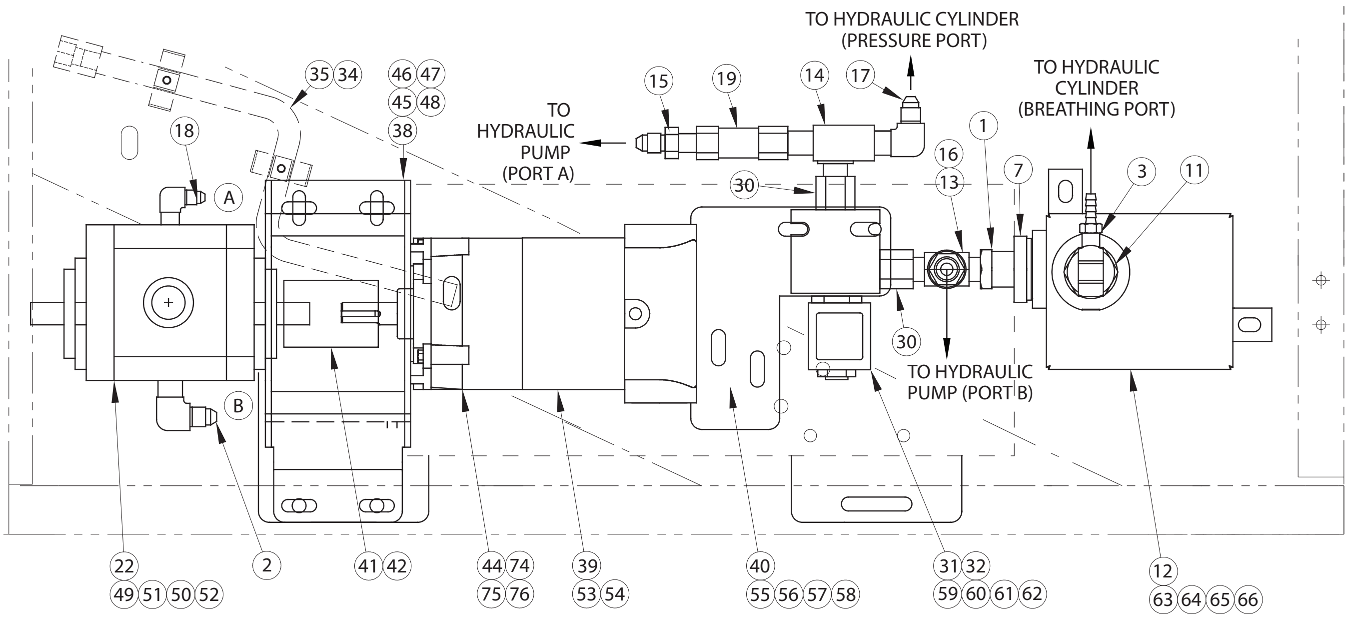
In order to preserve the various agency safety certification (UL, NSF, ASME/Ntl. Bd., etc.), only factory-supplied replacement parts should be used. The use of other than factory supplied replacement parts will void warranty.

FAUCET ASSEMBLY



ITEM #	PART #	DESCRIPTION	QTY.
	SPK14	**SINGLE PANTRY FAUCET** (includes items 1-10)	
	DPK14	**DOUBLE PANTRY FAUCET** (includes items 1-8 & 11)	
1.	KE50825-6	3/4" SPOUT	1
2.	FA95007-10	RETAINING RING	1
3.	FA05002-19	"O" RING	1
4.	KE51736	LONG FAUCET NUT	1
5.	SK2382300	FAUCET MOUNTING BRACKET	1
	SK2382400	SPACER, FOR BRACKET	1
6.	FA11258	HEX CAP SCREW	2
7.	FA31029	LOCK WASHER	2
8.	FA21008	HEX NUT	2
9.	KE51401	SINGLE PANTRY BODY (c/w item 13)	1
10.	KE50335	ADAPTER WASHER	1
11.	KE51403	DOUBLE PANTRY BODY (c/w item 13 & 14)	1
12.	SE50447	REPLACEMENT HORSESHOE WASHER	1
13.	SE50021	REPLACEMENT STEM ASSEMBLY, COLD WATER	1
14.	SE50020	REPLACEMENT STEM ASSEMBLY, HOT WATER	1

POWER TILT ASSEMBLY



ITEM	PART #	DESCRIPTION	QTY.
1	FI00351	HEX BUSHING;1/2 X 1/4	1
2	FI05059	ELBOW; STRAIGHT THREAD	1
3	FI05318-1	ELBOW HOSE BARB 90 BRASS	1
4	KE000523	HYDRAULIC JACK ASSY TR/F	1
5	KE53143	PLUG; 1/4-18 HYDRAULIC	1
6	KE55267	FLOW RESTRICTOR MT/TR	1
7	KE600452	STRAINER; OIL (MT-TR/F)	1
8	KE603728	COVER; CONTROL SWITCHES	1
9	M194	HYDRAULIC OIL; HD68-4L	1
10	SK2147401	FITTING;LIQUID TIGHT	1
11	SK2250700	PLUG MODIFD FI00285	1
12	SK2375699	OIL TANK ASSY MT/TR	1
13	SK2378900	TEE; 1/4 P (M/F/M)	1
14	SK2378901	TEE; 1/4 P (F/M/M)	1
15	SK2379000	ADAPTER; 1/4 P	1
16	SK2379001	ADAPTER; 1/4 P	1
17	SK2379100	ELBOW;1/4-90D-	2
18	SK2379200	ELBOW;O'RING BOSS 90DEG	1
19	SK2379400	CHECK VALVE PARKER C400B	1
21	KE95586-2	LABEL; CLEVELAND/PT/TR	1
22	SK2378802	HYDRAULIC PUMP; TR/F	1
23	SK2379501	HYDRAULIC HOSE ASS'Y;22	2
24	KE50581	BRIDGE RECTIFIER; #MB256	1
25	KE52936-9	FUSE; 15A/250V/MDA-15-R	1
26	SK1427305	CAPACITOR;4700MF/63VDC	1
27	SK2282100	CAPACITOR; CLAMP #VR3	1
28	SK2343502	SWITCH; TILT SWITCH	1
29	KE601979	LIMIT SW ;TR- (UL APPV)	1
30	KE603895	HYDRAULIC HOSE ADAPTER	2
31	KE54834-17	SOLENOID VALVE	1
32	KE603873	SOLENOID VALVE CONNECTOR	1
33	KE003707	HYDRAULIC HOSE ASSY	1
34	KE003160	HANDLE MANUAL CRANK	1
35	SK2473800	CLIP; SMALL	2
36	F10	PAN QUAD SCR #8-32X3/8	2
37	KE54907-1	PLUG BUTTON	1
38	KE003705	MOTOR MOUNT BRACKET ASS'Y	1
39	KE603896	GEARMOTOR, DC	1
40	KE603898	SOLENOID MOUNTING PLATE	1
41	KE50582-5	COUPLING HUB 1/2 DIA.	2
42	KE50583-1	SPIDER	1
43	SK2147402	LIQUID TIGHT FITTING	1
44	KE603951	GEAR MOTOR COVER	1

ITEM	PART #	DESCRIPTION	QTY.
FASTENERS FOR THE MOTOR MOUNT BRACKET ASS'Y			
45	FA11260	HEX BOLTS S.S., 1/4-20UNC X 1"	4
46	FA30505-1	FLAT WASHER S.S, 1/4	8
47	FA31029	LOCK WASHER S.S., 1/4	4
48	FA21008	HEX NUT S.S., 1/4-20UNC	4
FASTENERS FOR THE HYDRAULIC PUMP			
49	FA11325	HEX BOLTS S.S., 15/16-18UNC X 1 1/4"	2
50	FA30505-5	FLAT WASHER S.S, 5/16	2
51	FA31030	LOCK WASHER S.S., 5/16	2
52	FA21024	HEX NUT S.S., 5/16-18UNC	2
FASTENERS FOR GEARMOTOR			
53	FA11148	10-32UNF X 3/4 PAN PHIL M/S 18-8 S.S.	4
54	FA32022	EXT. TOOTH LOCK WASHER S.S, #10	4
FASTENERS FOR SOLENOID MOUNTING PLATE			
55	FA11260	HEX BOLTS S.S., 1/4-20UNC X 1"	2
56	FA30505-1	FLAT WASHER S.S, 1/4	4
57	FA31029	LOCK WASHER S.S., 1/4	2
58	FA21008	HEX NUT S.S., 1/4-20UNC	2
FASTENERS FOR SOLENOID VALVE			
59	FA11509-4	HEX BOLTS S.S., 1/4-20UNC X 1 3/4"	2
60	FA30505-1	FLAT WASHER S.S, 1/4	4
61	FA31029	LOCK WASHER S.S., 1/4	2
62	FA21008	HEX NUT S.S., 1/4-20UNC	2
FASTENERS FOR TANK			
63	FA11148	10-32UNF X 3/4 PAN PHIL M/S 18-8 S.S.	1
64	FA32022	EXT. TOOTH LOCK WASHER S.S, #10	1
65	FA30505-2	FLAT WASHER S.S., #10	1
66	FA21006	HEX NUTS 18-8 S.S, #10-24UNC	1
FASTENERS FOR TILTING LIMIT SWITCH			
67	FA11148	10-32UNF X 3/4 PAN PHIL M/S 18-8 S.S.	2
70	FA30505-9	SAE FLAT WASHERS S.S, 1/4	2
71	FA31029	LOCK WASHERS 18.8, 1/4	2
73	FA11260	HEX BOLTS S.S., 1/4-20UNC X 1"	2
PAN WITH TD OPTION			
72	KE603877-1	LIMIT SWITCH MOUNTING BRACKET	1
PAN WITHOUT TD OPTION			
72	KE603877-2	LIMIT SWITCH MOUNTING BRACKET	1

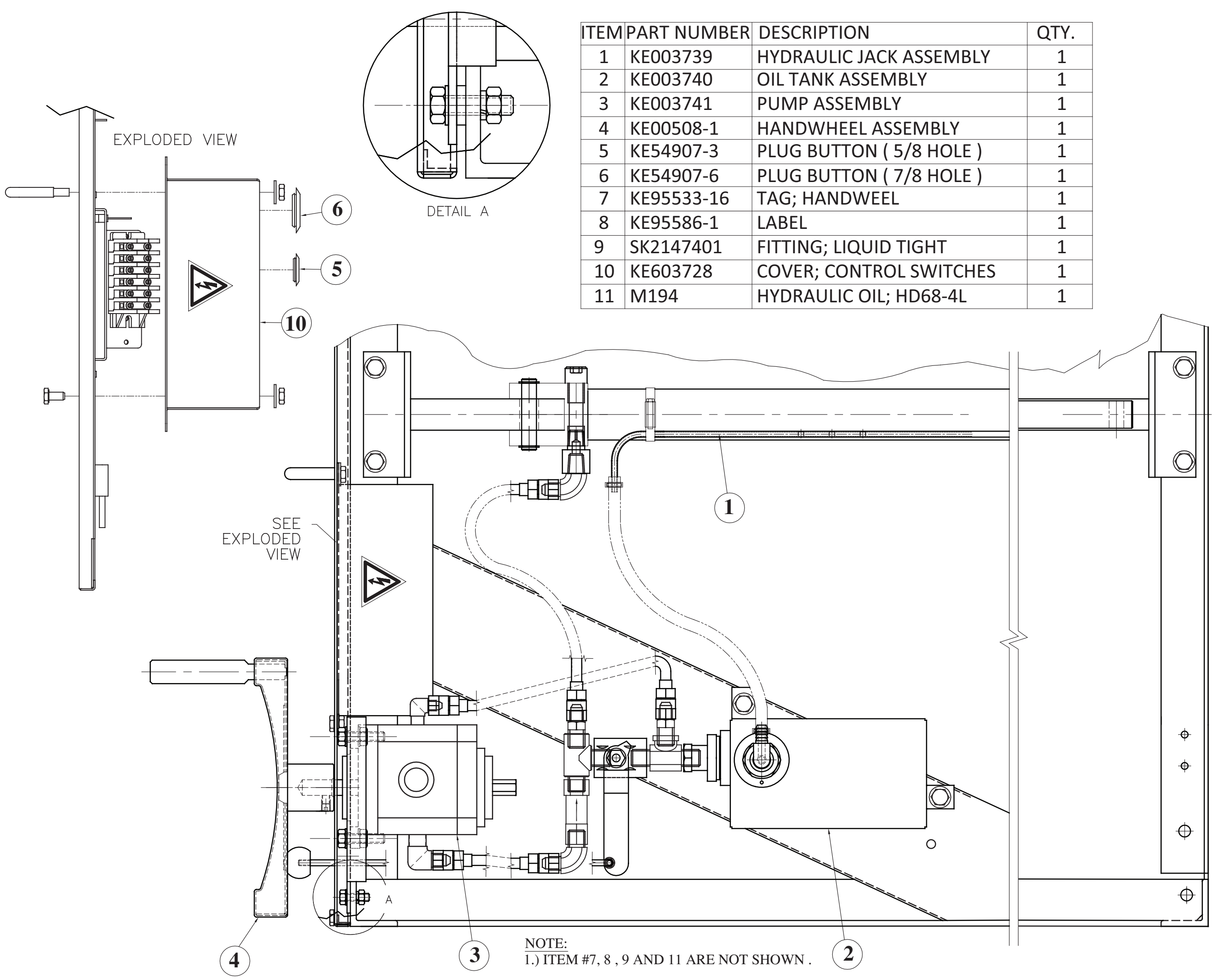
TO ORDER COMPLETE ASSEMBLY:

72	SK003706-1	FOR UNITS WITH TD OPTION	1
72	SK003706-3	FOR UNITS WITH OUT TD OPTION	1

ITEMS 4, 5, 6, 7, 8, 9, 10, 21, 23, 24, 25, 26, 27, 28, 29, 33, 36, 37, 43, 67, 70, 71, 72 & 73 NOT SHOWN

MANUAL TILT ASSEMBLY

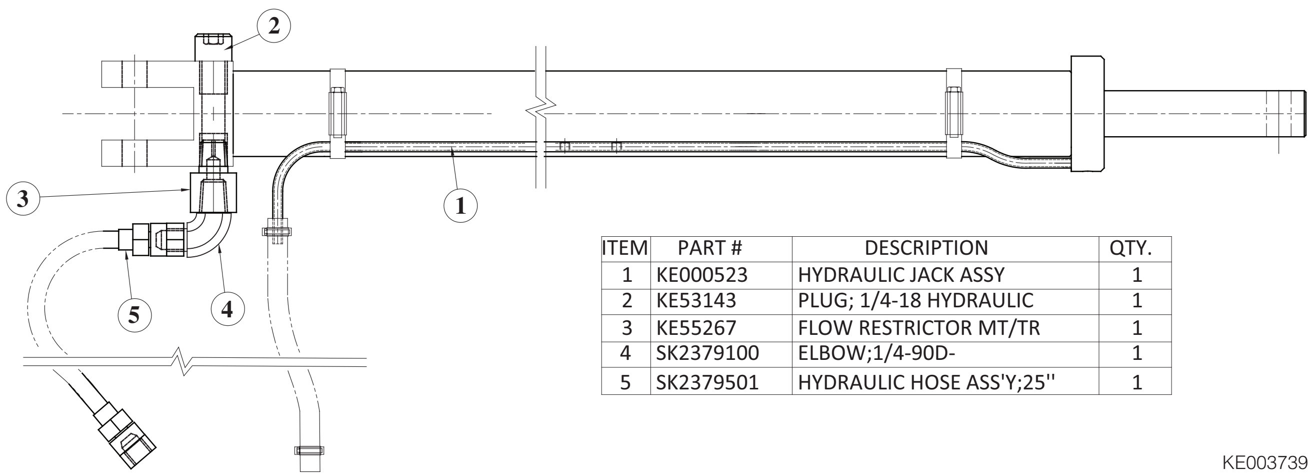
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	KE003739	HYDRAULIC JACK ASSEMBLY	1
2	KE003740	OIL TANK ASSEMBLY	1
3	KE003741	PUMP ASSEMBLY	1
4	KE00508-1	HANDWHEEL ASSEMBLY	1
5	KE54907-3	PLUG BUTTON (5/8 HOLE)	1
6	KE54907-6	PLUG BUTTON (7/8 HOLE)	1
7	KE95533-16	TAG; HANDWEEL	1
8	KE95586-1	LABEL	1
9	SK2147401	FITTING; LIQUID TIGHT	1
10	KE603728	COVER; CONTROL SWITCHES	1
11	M194	HYDRAULIC OIL; HD68-4L	1



NOTE:
1.) ITEM #7, 8 , 9 AND 11 ARE NOT SHOWN .

KE003746

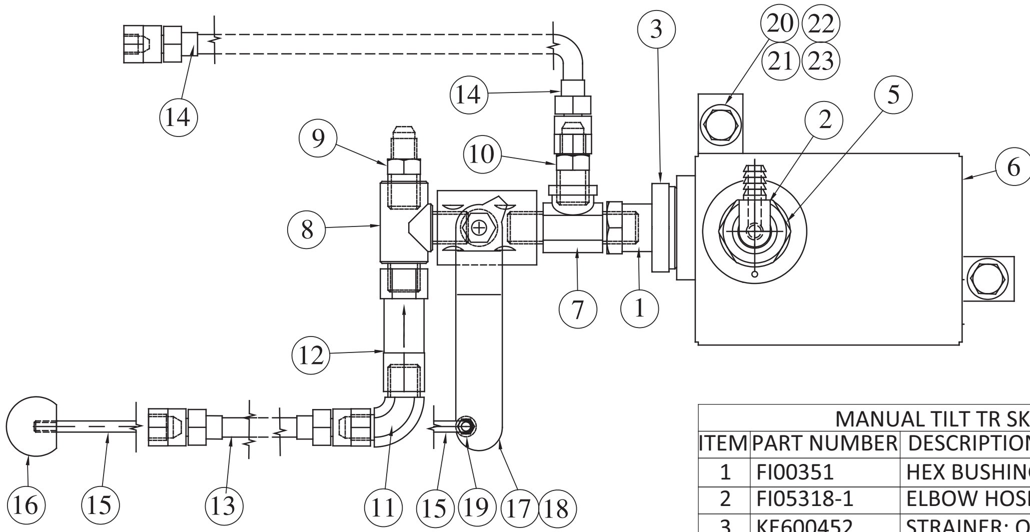
HYDRAULIC JACK ASSEMBLY



ITEM	PART #	DESCRIPTION	QTY.
1	KE000523	HYDRAULIC JACK ASSY	1
2	KE53143	PLUG; 1/4-18 HYDRAULIC	1
3	KE55267	FLOW RESTRICTOR MT/TR	1
4	SK2379100	ELBOW;1/4-90D-	1
5	SK2379501	HYDRAULIC HOSE ASS'Y;25''	1

KE003739

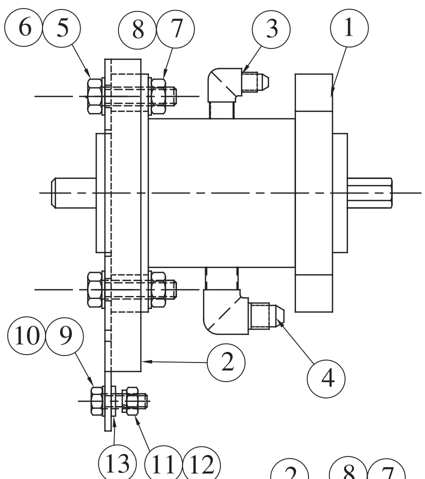
OIL TANK ASSEMBLY



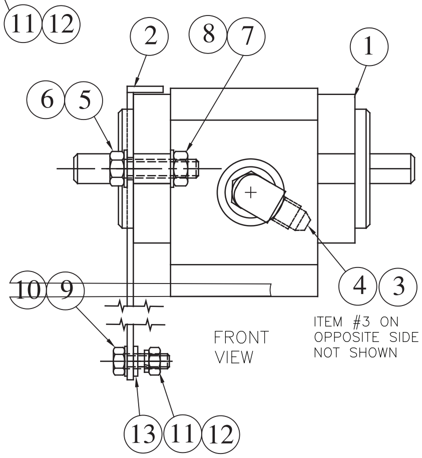
MANUAL TILT TR SKILLET ASSEMBLY			
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	FI00351	HEX BUSHING;1/2 X 1/4	1
2	FI05318-1	ELBOW HOSE BARB 90 BRASS	1
3	KE600452	STRAINER; OIL (MT-TR/F)	1
5	SK2250700	PLUG MODIFD FI00285	1
6	SK2375699	OIL TANK ASSY MT/TR	1
7	SK2378900	TEE; 1/4 P (M/F/M)	1
8	SK2378901	TEE; 1/4 P (F/M/M)	1
9	SK2379000	ADAPTER; 1/4 P	1
10	SK2379001	ADAPTER; 1/4 P	1
11	SK2379100	ELBOW;1/4-90D-	1
12	SK2379400	CHECK VALVE PARKER C400B	1
13	SK2379500	HYDRAULIC HOSE ASS'Y;8''	1
14	SK2379600	HYDRAULIC HOSE ASS'Y.	1
15	SK2376200	LINK ROD	1
16	SK078279-1	BALL KNOB	1
17	SK2379301	BALL VALVE	1
18	SK2382700	VALVE RETURN SPRING	1
19	FA20504-3	LOCK NUT #10	1
20	FA11260	HEX BOLT S.S. 1/4-20 X 1	2
21	FA30505-1	FLAT WASHER S.S 1/4	2
22	FA31029	LOCK WASHER S.S 1/4	2
23	FA21008	HEX NUT S.S 1/4	2

KE003740

PUMP ASSEMBLY

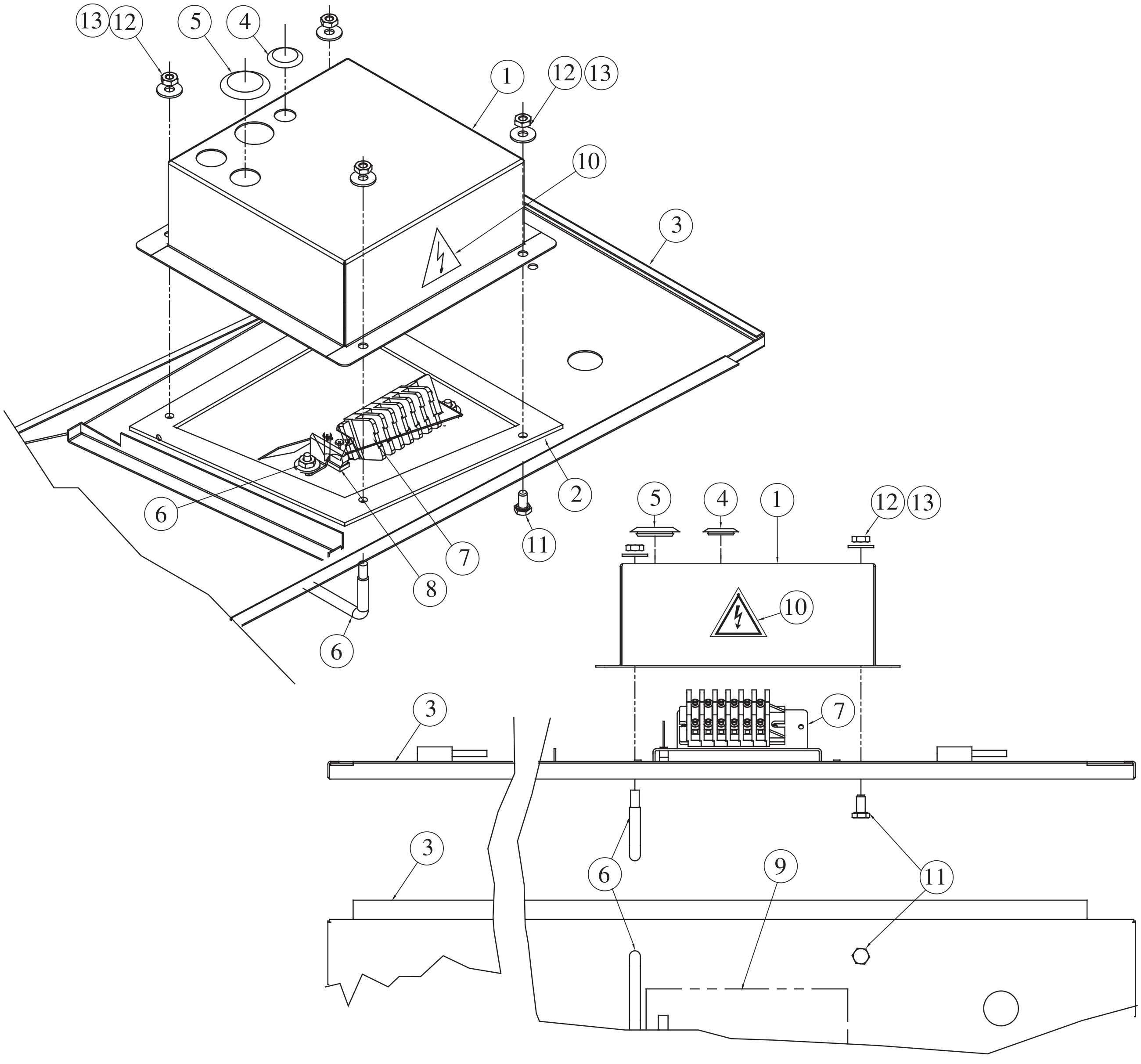


KE003741



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	SK2378802	HYDRAULIC PUMP; TR/F	1
2	SK2376000	PUMP MOUNT BRACKET	1
3	FI05059	ELBOW; STRAIGHT THREAD	1
4	SK2379200	ELBOW;O'RING BOSS 90DEG	1
5	FA11325	HEX BOLT S.S. 5/16-18 X 1 1/4	2
6	FA30505-5	FLAT WASHER S.S 5/16	2
7	FA21024	HEX NUT S.S. 5/16-18	2
8	FA31030	SPLIT LOCKWASHER S.S 5/16	2
9	FA11260	HEX BOLT S.S. 1/4-20 X 1	3
10	FA30505-1	FLAT WASHER S.S 1/4	3
11	FA31029	LOCK WASHER S.S 1/4	3
12	FA21008	HEX NUT S.S 1/4	3
13	FA30504	FLAT WASHER 0.328 X 0.625	3

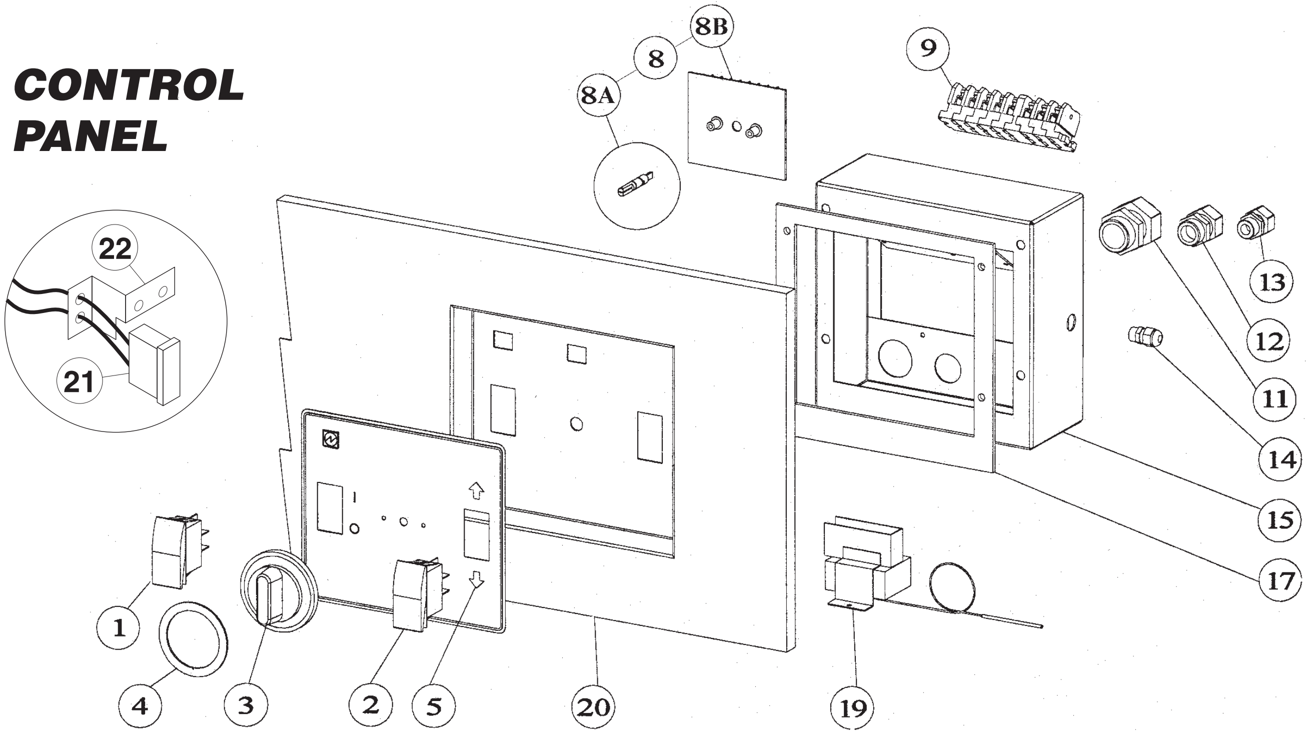
OIL TANK ASSEMBLY



	KE003742-1	PANEL ASSEMBLY SGL-30-TR	
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	KE603728	COVER; CONTROL SWITCHES	1
2	KE603729	GASKET	1
3	SK00383-4	CONTROL PANEL ASS'Y 30 GAL	1
4	KE54907-3	PLUG BUTTON (5/8 HOLE)	1
5	KE54907-6	PLUG BUTTON (7/8 HOLE)	1
6	KE601005	SWITCH GUARD	1
7	KE603726	TERMINAL BLOOCK BRACKET	1
8	SK50905-1	28V INDICATOR CLEAR LIGHT	1
9	KE95586-1	LABEL; TR SKILLETS	1
10	KE95497	LABEL; RISK OF EL. SHOCK	1
11	FA11260	HEX BOLT S.S. 1/4-20 X 1	2
12	FA30505-1	FLAT WASHER S.S 1/4	4
13	FA21008	HEX NUT S.S 1/4	4
14	FA20504-3	LOCK NUT #10	2

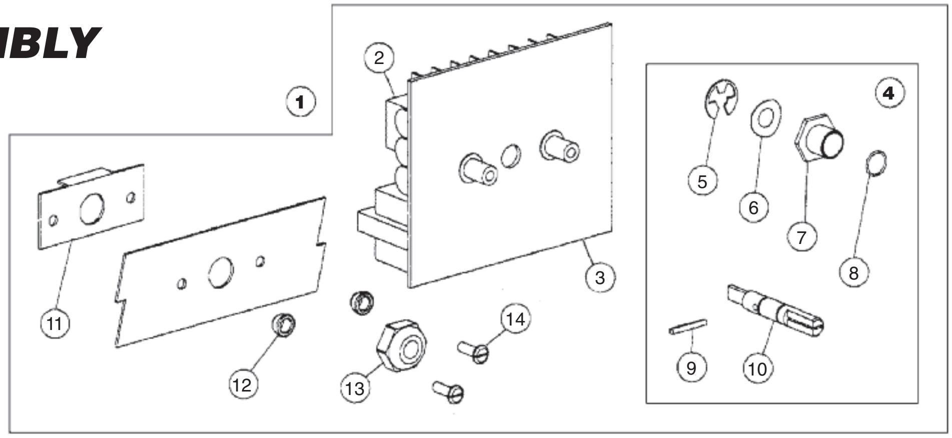
	KE003742-2	PANEL ASSEMBLY SGL-40-TR	
ITEM	PART NUMBER	DESCRIPTION	QTY.
1	KE603728	COVER; CONTROL SWITCHES	1
2	KE603729	GASKET	1
3	SK00383-3	CONTROL PANEL ASS'Y 40 GAL	1
4	KE54907-3	PLUG BUTTON (5/8 HOLE)	1
5	KE54907-6	PLUG BUTTON (7/8 HOLE)	1
6	KE601005	SWITCH GUARD	1
7	KE603726	TERMINAL BLOOCK BRACKET	1
8	SK50905-1	28V INDICATOR CLEAR LIGHT	1
9	KE95586-1	LABEL; TR SKILLETS	1
10	KE95497	LABEL; RISK OF EL. SHOCK	1
11	FA11260	HEX BOLT S.S. 1/4-20 X 1	2
12	FA30505-1	FLAT WASHER S.S 1/4	4
13	FA21008	HEX NUT S.S 1/4	4
14	FA20504-3	LOCK NUT #10	2

CONTROL PANEL



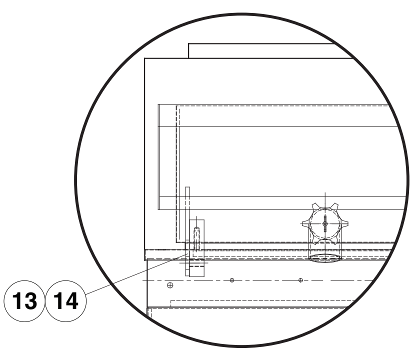
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	SK2474101	POWER SWITCH	1
2	SK2343502	TILT SWITCH (POWER TILT ONLY)	1
3	SK2138700	DIAL KNOB	1
4	SK2360701	DIAL INSERT °C	1
	SK2360700	DIAL INSERT °F	1
5	SKKE95586-1	LABEL, CLEVELAND, MANUAL TILT	1
	KE95586-2	LABEL, CLEVELAND, POWER TILT	1
8	SE00119	ELECTRONIC THERMOSTAT KIT (INCLUDES 8A & 8B)	1
8A	SK2142002	ELECTRONIC THERMOSTAT	1
8B	SK2498399	SHAFT ASSY.	1
9	SK50872-1	TERMINAL BLOCK	16
	SK50872-2	TERMINAL END	3
	KE603726	TERMINAL BLOCK BRACKET	1
11	SK2147403	LIQUID-TIGHT FITTING 5/8"	1
12	SK2147402	LIQUID-TIGHT FITTING 3/8"	1
13	SK2147401	LIQUID-TIGHT FITTING 5/16" (POWER TILT ONLY)	1
14	SK2147400	LIQUID-TIGHT FITTING 3/16"	1
15	KE603728	COVER, CONTROL SWITCHES	1
17	KE603729	NEOPRENE GASKET	1
19	KE55069-7	HIGH LIMIT	1
20	SK00383-1	CONTROL PANEL, POWER TILT, 40-TR	1
	SK00383-2	CONTROL PANEL, POWER TILT, 30-TR	
	SK00383-3	CONTROL PANEL, MANUAL TILT, 40-TR	1
	SK00383-4	CONTROL PANEL, MANUAL TILT, 30-TR	1
21	SK50905-2	INDICATOR LIGHT (ELECTRIC MODELS)	1
22	SK50903-1	BRACKET	1

SHAFT ASSEMBLY

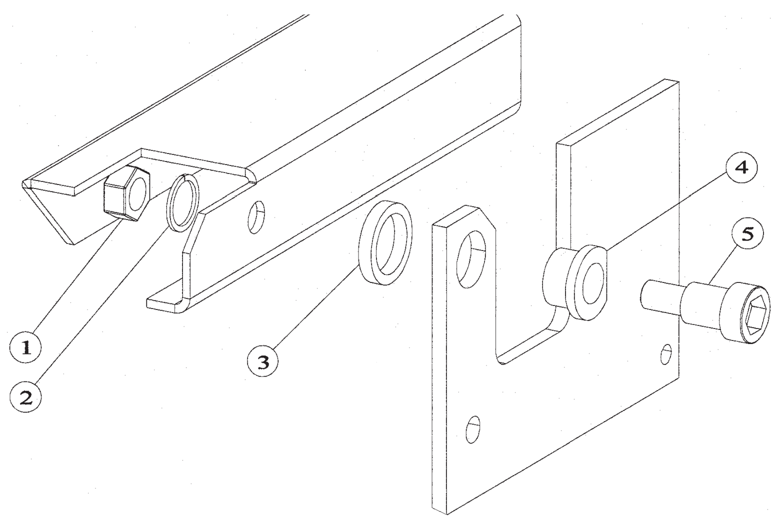


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1.	SE00119	THERMOSTAT BOARD ASSEMBLY (INCLUDES 2 - 14)	1
2.	SK2142002	TEMPERATURE SENSOR BOARD	1
3.	SK2159300	INSULATOR, THERMOSTAT	1
4.	SK2498399	POTENTIOMETER SHAFT ASSEMBLY (INCLUDES 5-10)	1
5.	SK2167200	RETAINING RING, SP-NR #R1000-25	1
6.	SK2167100	WASHER, BOWED/SPRING	1
7.	SK2167300	PANEL BEARING	1
8.	SK2382800	RETAINING RING CLIP	1
9.	SK2167000	TENSION PIN	1
10.	SK2166800	POTENTIOMETER SHAFT	1
11.	SK2491500	STOP PLATE ASSY.	1
12.	KE55242-2	SEALER WASHER	2
13.	KE51005	ROTARY SHAFT SEAL	1
14.	FA11056	SCREW 6-32 X 1/8	2

PAN HINGE

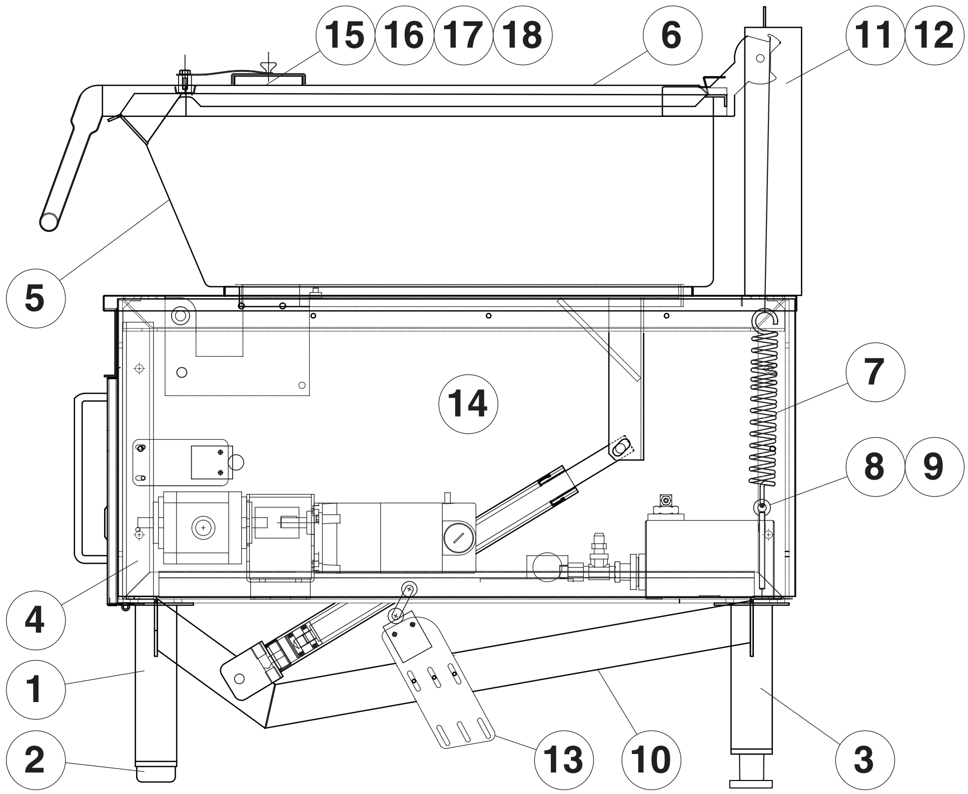


For units with TD Valve



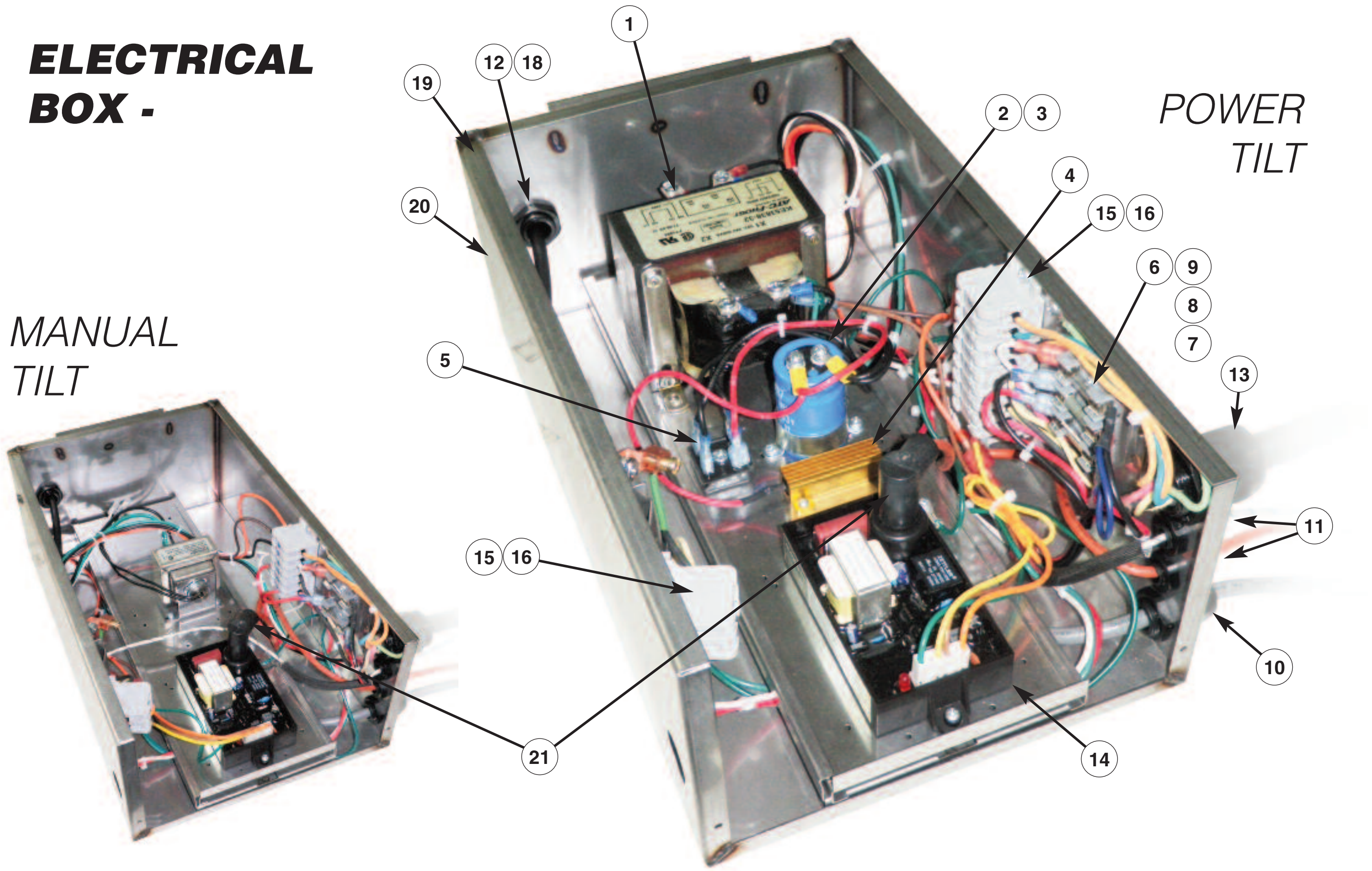
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	FA20032	LOCK NUT 1/2-13 S.S.	2
2	FA30505-3	LOCK WASHER 1/2-13 S.S.	2
3	SK078248-1	SPACER	2
4	G02925-2	BUSHING	2
5	FA15015	BOLT 1/2-13 X 3/4", for units without TD Valve	2
13	FA15019-2	SHOULDER BOLT, 1/2-13 (303)	2
14	SK50813	BEARING HINGE	2

FRAME / LID ASSMEBLY



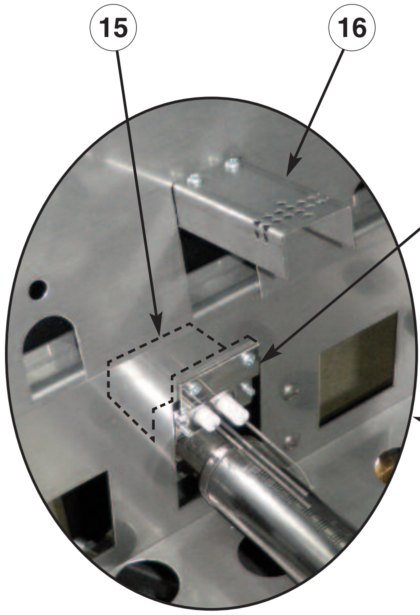
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1.	SK2335499	LEG ASSEMBLY, FRONT	2
2.	SK078160-1	FEET, FRONT	2
3.	SK00414-1	LEG ASSEMBLY, REAR	2
4.	SK2335199	FRAME WELDMENT, 30 GAL.	1
	SK2335099	FRAME WELDMENT, 40 GAL.	1
5.	SK00343-1	PAN WELDMENT, SEL-30 (add -2 for units with TD)	
	SK00344-1	PAN WELDMENT, SEL-40 (add -2 for units with TD)	1
6.	SK24571-1	LID, 30 GAL.	1
	SK24571-2	LID, 40 GAL.	1
7.	SK2452300	SPRING	2
8.	KE003686	HOOK WELDMENT	2
9.	SK23724-1	HOOK	2
10.	SK2337499	ACTUATOR MOUNTING BRACKET	1
	SK00352	ACTUATOR MOUNTING BRACKET, for units with TD	1
11.	KE003605-1	BACKGUARD ASSEMBLY, 30 GAL.	1
	KE003605	BACKGUARD ASSEMBLY, 40 GAL.	1
12.	SK2389300	BACKGUARD BACK, 30 GAL.	1
	SK2389301	BACKGUARD BACK, 40 GAL.	1
13.	KE002206	LIMIT SWITCH BRACKET	1
	KE002199	LIMIT SWITCH BRACKET, for units with TD	1
14.	SK2336800	SIDE PANEL, SEL/SGL	2
	SK2336801	SIDE PANEL, SEM/SGM	2
15.	SK00054	VENT COVER ASSEMBLY	1
16.	SK2211200	SPACER	1
17.	FA95081-1	BOLT, MODIFIED	1
18.	SK50179	WASHER	1

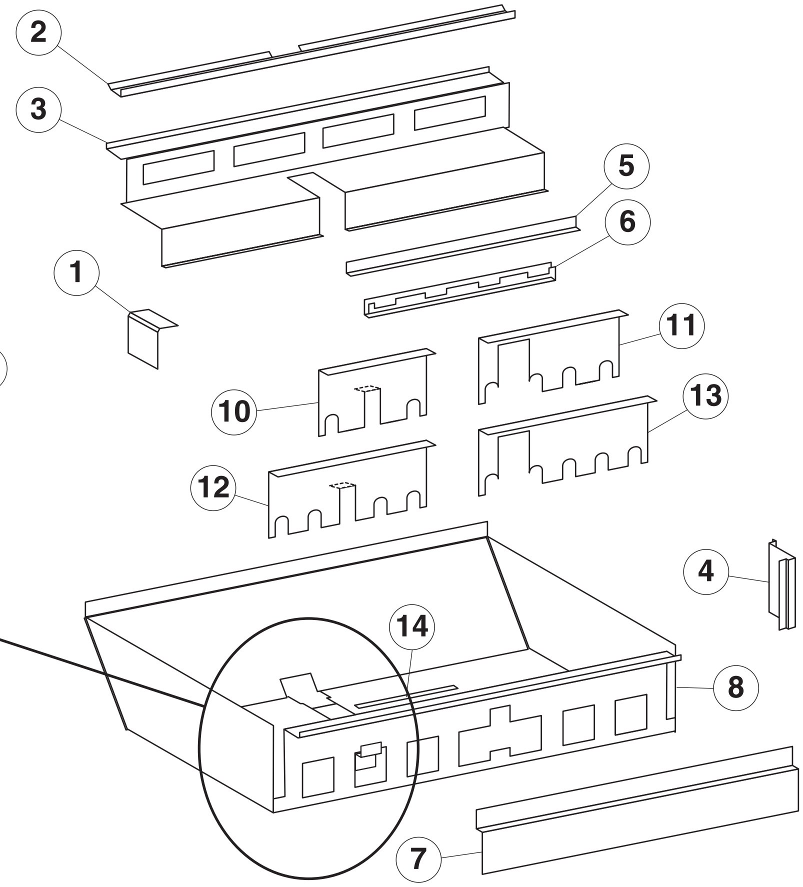
ELECTRICAL BOX -



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	KE53838-32	TRANSFORMER - POWER TILT - 110-120V/60	1
	KE53838-31	TRANSFORMER - POWER TILT - 208-240/60	1
	KE53838-30	TRANSFORMER - POWER TILT - 208-240/50	1
	KE53838-25	TRANSFORMER - HAND TILT - 110-120/60	1
	KE53838-18	TRANSFORMER - HAND TILT - 208-240	1
2	SK1427305	CAPACITOR	1
3	SK2282100	CAPICITOR CLAMP	1
4	SK1426600	RESISTOR	1
5	KE50581	RECTIFIER, POWER TILT ONLY	1
6	SK2320702	FUSE HOLDER	1
7	KE52936-7	FUSE 2.5A MDL 115V POWER TILT	1
	KE52936-10	FUSE 1.5A MDL 208/240V POWER TILT	1
	KE52936-13	FUSE 1A AGC 115V HAND TILT	1
	KE52936-11	FUSE .5A AGC 208/240V HAND TILT	1
8	KE52936-9	FUSE 15A MDA POWER TILT ONLY	1
9	KE52936-8	FUSE 1.25A AGC	1
10	SK2147403	LIQUID-TIGHT FITTING	1
11	SK2147400	LIQUID-TIGHT FITTING	2
12	SK2147401	LIQUID-TIGHT FITTING	1
13	SK2361500	LIQUID-TIGHT FITTING	1
14	KE603774-2	IGNITION MODULE	1
15	SK50872-1	TERMINAL BLOCK - SECTION	18
16	SK50872-2	TERMINAL END	1
19	SK2383300	COVER GASKET	1
20	2343699	SERVICE BOX ASSY.	1
21	SE00222	IGNITION CABLE	1

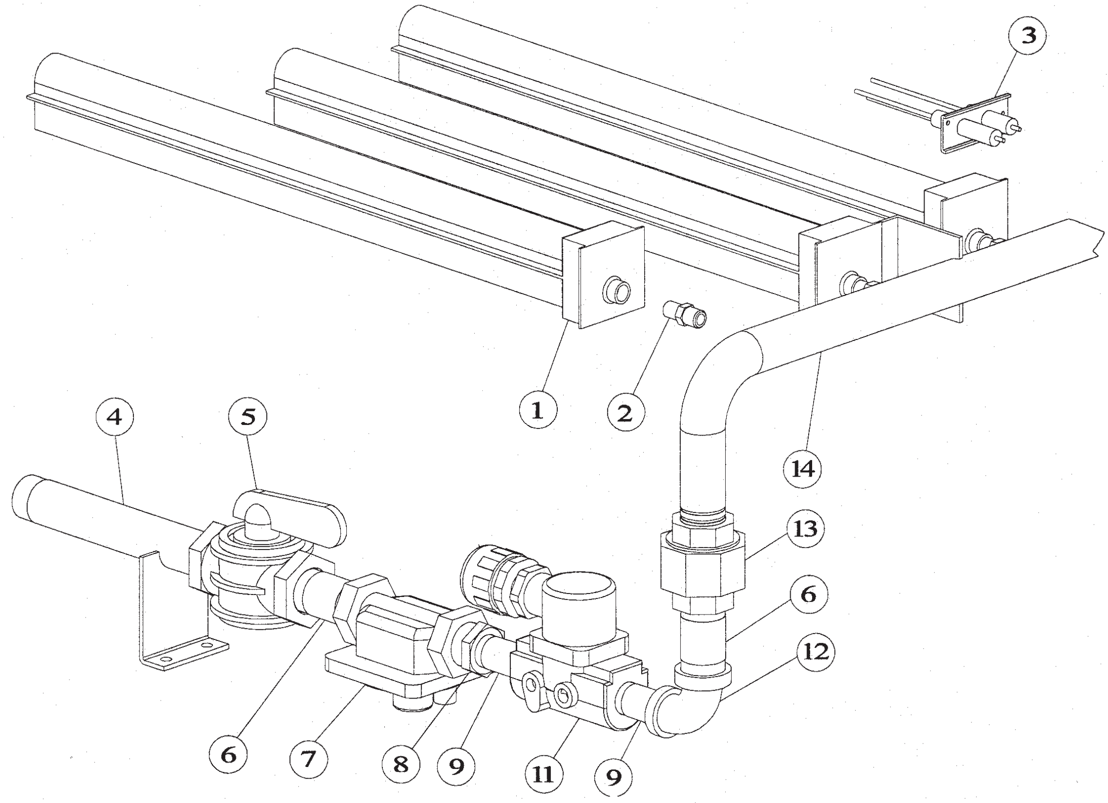
BURNER BOX ASSEMBLY





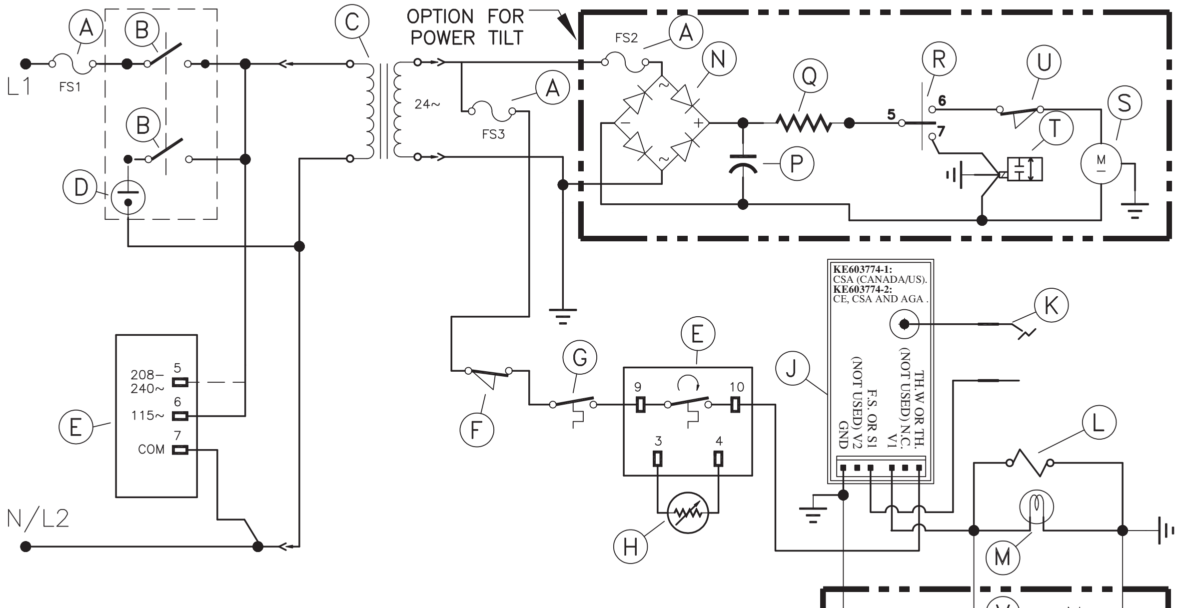
ITEM NO.	*PART NO.*	*DESCRIPTION*	*QTY.*
1	SK2359300	BACK TOP MOUNTING BRACKET	2
2	SK2360101	REAR COMBUSTION SEAL - 40 GAL.	1
	SK2360100	REAR COMBUSTION SEAL - 30 GAL.	1
3	SK2342499	BURNER REST ASSEMBLY - 40 GAL.	1
	SK2342399	BURNER REST - ASSEMBLY 30 GAL.	1
4	SK071497-2-9	INSIDE HINGE COVER	2
5	KE603745	BURNER BOX STIFFENER - 40 GAL.	1
	KE603748	BURNER BOX STIFFENER - 30 GAL.	1
6	SK2445300	SECONDARY BURNER REST R/H - 30 GAL.	1
	SK2445400	SECONDARY BURNER REST L/H - 30 GAL.	1
	SK2445200	SECONDARY BURNER REST R/H - 40 GAL.	1
	SK2445201	SECONDARY BURNER REST L/H - 40 GAL.	1
7	SK2347800	FRONT SHIELD - 40 GAL.	1
	SK2347900	FRONT SHIELD - 30 GAL.	1
8	SK2342200	BURNER PAN - 40 GAL.	1
	SK2342100	BURNER PAN - 30 GAL.	1
9	SK2373900	IGNITOR MOUNTING BRACKET	1
10	SK50890	BURNER SHIELD R/H - 40 GAL.	1
11	SK50891	BURNER SHIELD L/H - 40 GAL.	1
12	SK50892	BURNER SHIELD R/H - 30 GAL.	1
13	SK50893	BURNER SHIELD L/H - 30 GAL.	1
14	SK2342600	BURNER TIE DOWN - 30 GAL, LEFT	1
	SK2342601	BURNER TIE DOWN - 30 GAL, RIGHT	1
	SK2342602	BURNER TIE DOWN - 40 GAL	2
15	SK2373901	IGNITOR COVER	1
16	SK2380200	IGNITOR PROTECTER	1

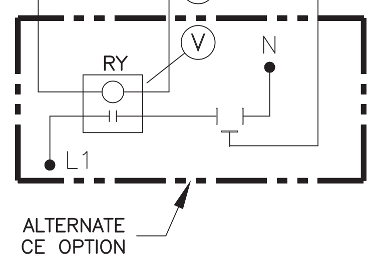
MANIFOLD ASSEMBLY



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	SK2373100	BURNER (NAT. GAS)	7 for 30 gal., 10 for 40 gal.
	KE02410	BURNER (LP GAS)	7 for 30 gal., 10 for 40 gal.
2	KE55277-1	ORIFICE, (NAT. GAS), 2000 FT	7 for 30 gal., 10 for 40 gal.
	KE55277-5	ORIFICE, (LP GAS), 2000 FT.	7 for 30 gal., 10 for 40 gal.
3	KE53437-1	SPARK ELECTRODE	1
4	SK2363599	NIPPLE PLATE ASSY	1
5	F01518-1	SHUT-OFF VALVE	1
6	N0640C2	NIPPLE 3/4" NPT	2
7	KE54618-2	GAS REGULATOR - NATURAL	1
	KE54618-1	GAS REGULATOR - LP	1
8	FI00336	NPT BUSHING 3/4" X 1/2"	1
9	N0440C2	NIPPLE 1/2" NPT X 2"	2
11	SK2345700	GAS SOLENOID, Domestic	1
	SK2345701	GAS SOLENOID, CE & Australia	1
12	FI00357	ELBOW 90° 3/4" X 1/2"	1
13	FI00073-1	UNION 3/4" NPT	1
14	SK2339799	MANIFOLD - 40 GAL.	1
	SK2339899	MANIFOLD - 30 GAL.	1

WIRING DIAGRAM





A– FUSE
B– POWER SWITCH
C– TRANSFORMER
D– PILOT–RED
E– ELECTRONIC THERMOSTAT
F– INTERRUPTER SWITCH
G– HIGH LIMIT SWITCH
H– RTD SENSOR
J– IGNITION MODULE
K– ELECTRODES
L– GAS BURNER SOLENOID
M– PILOT–YELLOW
N– RECTIFIER
P– CAPACITOR
Q– RESISTOR
R– TILT CONTROL
S– MOTOR
T– DUMPING VALVE
U– LIMIT SWITCH
V– RELAY

A– FUSIBLE
B– COMMUTATEUR DE POUVOIR
C– TRANSFORMATEUR
D– VEILLEUSE–ROUGE
E– THERMOSTAT ÉLECTRONIQUE
F– INTERRUPTEUR DE POUVOIR
G– COMMUTATEUR DE SECURITE
H– CAPTEUR DE RTD
J– MODULE D'ALLUMAGE
K– ÉLECTRODES
L– SOLÉNOIDE DU BRÛLEUR A GAZ
M– VEILLEUSE–JAUNE
N– RECTIFICATEUR
P– CONDENSATEUR
Q– RÉSISTANCE
R– COMMUTATEUR DIRECTIONNEL
S– MOTEUR
T– DECHARGER SOUPAPE
U– COMMUTATEUR DE LIMITE
V– RELAIS

CAUTION: REPLACE WITH SAME TYPE FUSES
ATTENTION: REPLACER PAR UN FUSIBLE DU MÊME TYPE

MODELS/MODÈLES POWER TILT/BASCULANT AUTO	MODELS/MODÈLES HAND TILT/BASCULANT MANUEL
FS3: 1.25A AGC	FS3: 1.25A AGC
FS2: 15A MDA	FS2: NOT USED/INUTILISÉ
FS1: 2.5A MDL 115V MODELS 1.5A MDL 208–240V MODELS	FS1: 1A AGC 115V MODELS .5A AGC 208–240V MODELS

115V/208V/220V/240V SGL,M–30,40TR SK90124–1H